What is claimed is:

1	1. A structured image data processing method that processes data including (i)
2	structured image data composed of document-image data and corresponding
3	positioning data, and (ii) region data indicating a structure of the document-image
4	data, the processing method comprising the steps of:

- a) determining a region to be divided of the document-image data according to predetermined dividing information;
- b) dividing the document-image data into plural portions according to the region to be divided;
- c) processing individually the portions of the document-image data; and
- d) renewing the structured image data by replacing the positioning data and the document-image data before processing with positioning data and documentimage data after processing.
- 2. The structured image data processing method of claim 1, wherein the dividing information includes data that affect a difference between the document-image data after a color-reducing process and the document-image data before the color-reducing process so that the difference is smaller than a predetermined value.
- 3. The structured image data processing method of claim 1, wherein the dividing information includes score data added to at least one of the positioning data and the region data.
- 4. The structured image data processing method of claim 1, wherein the dividing information includes (i) score data, (ii) a transmit capacity of a transmitting path for transmitting the structured image data, and (iii) an user's request, which are added to at least one of the positioning data and the region data
- 5. A structured image data processing method that processes data including (i) structured image data composed of document-image data and corresponding positioning data, (ii) region data indicating a structure of the document-image data, and (iii) replaced media dividing information added to the region data, the processing method comprising the steps of:
- a) determining a region to be divided of the document-image data according to the region to be divided;

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- b) dividing the document-image data into plural portions according to the replaced media dividing information;
- 10 c) replacing the document-image data divided according to the replaced 11 media dividing information that is added to the region data corresponding to the 12 divided document image; and
- d) renewing the structured image data by replacing the positioning data, the document-image data, and the replaced media dividing information.
 - 6. The structured image data processing method of claim 5, wherein the replaced media dividing information is formed by text data added to a region.
 - 7. A structured image data processing method that processes data including first input data composed of (i) first structured image data containing first document-image data and corresponding positioning data, and (ii) first region data indicating a structure of the first document-image data by regions; and second input data composed of (i) second structured image data containing second document-image data and corresponding positioning data, and (ii) second region data indicating a structure of the second document-image data by regions, the processing method comprising the steps of:
 - a) determining a region to be divided of the first input data as a region to be renewed, referring to the second input data;
 - b) dividing the first document-image data into plural portions according to the region to be divided;
 - c) renewing the divided structured image data of the first input data; and
- d) combining the renewed first structured image data with the second structured image data.
 - 8. A structured image data processing method that processes data including first input data composed of (i) first structured image data containing first document-image data and first positioning data, (ii) first region data indicating a structure of the first document-image data by regions, and (iii) first score data added to at least one of the first positioning data and the first region data; and second input data composed of (i) second structured image data containing second document-image data and second positioning data, (ii) second region data

8 9 10	indicating a structure of the second document-image data by regions, and (iii) second score data added to at least one of the second positioning data and the second region data, the processing method comprising the steps of:
11 12	a) determining a region to be divided of the first input data as a region to be renewed, referring to the second input data;
13 14	b) dividing the first document-image data into plural portions according to the region to be divided;
15	c) renewing the divided structured image data of the first input data; and
16 17	d) combining the renewed first structured image data with the second structured image data, using the first and the second score data.
1 2 3 4	9. An apparatus for a structured image data processing that processes data including (i) structured image data composed of document-image data and corresponding positioning data, and (ii) region data indicating an inner structure of the document-image data, the apparatus comprising:
5 6	a) divided region determining means for determining a region to be divided of the document-image data according to predetermined dividing information;
7 8	b) image-dividing means for dividing the document-image data into plural portions according to the region to be divided;
9 10	c) image processing means for processing individually the divided portions of the document-image data; and
11 12 13	d) structured image renewal means for renewing the structured image data by replacing the positioning data and the document-image data before processing with positioning data and document-image data after processing.
1 2 3 4 5	10. The apparatus for the structured image data processing of claim 9, wherein the dividing information includes data that affect a difference between the document-image data after a color-reducing process and the document-image data before the color-reducing process so that the difference is smaller than a predetermined value.
1	11. The apparatus for the structured image data processing of claim 9, wherein

dividing information includes score data added to at least one of the positioning

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3	data	and	region	data.

- 1 12. The apparatus for the structured image data processing of claim 9, wherein 2 the dividing information includes (i) score data, (ii) a transmit capacity of a 3 transmitting path for transmitting the structured image data, and (iii) an user's 4 request, which are added to at least one of the positioning data and the region data.
- 1 13. The apparatus for the structured image data processing that processes data including (i) structured image data composed of document-image data and corresponding positioning data, (ii) region data indicating a structure of the document-image data, and (iii) replaced media dividing information added to the region data, the apparatus comprising:
 - a) divided region determining means for determining a region to be divided of the document-image data according to the replaced media dividing information;
 - b) image-dividing means for dividing the document-image data into plural portions according to the region to be divided;
 - c) replacing means for replacing the divided document-image data with the replaced media dividing information that is added to the region data corresponding to the divided document image; and
- d) structured image renewal means for renewing the structured image data by replacing the positioning data, the document-image data, and the replaced media dividing information.
 - 14. The apparatus for the structured image data processing of claim 13, wherein the replaced media dividing information is formed by text data added to a region.
 - 15. An apparatus for a structured image data processing that processes data including first input data composed of (i) first structured image data containing first document-image data and corresponding positioning data, and (ii) first region data indicating a structure of the first document-image data by regions; and second input data composed of (i) second structured image data containing second document-image data and corresponding positioning data, and (ii) second region data indicating a structure of the second document-image data by regions, the apparatus comprising:

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- a) divided region determining means for determining a region to be divided 9 of the first input data as a region to be renewed, referring to the second input data; 10 b) image-dividing means for dividing the first document-image data into 11 plural portions according to the region to be divided; 12 c) structured image data renewal means for renewing the divided structured 13 image data of the first input data; and 14 d) structured image data composition means for combining the renewed first 15 structured image data with the second structured image data. 16 16. An apparatus for a structured image data processing that processes data 1 including first input data composed of (i) first structured image data containing 2 first document-image data and first positioning data, (ii) first region data indicating 3 a structure of the first document-image data by regions, and (iii) first score data 4 added to at least one of the first positioning data and the first region data; and 5 second input data composed of (i) second structured image data containing second 6 document-image data and second positioning data, (ii) second region data 7 indicating a structure of the second document-image data by regions, and (iii) 8 second score data added to at least one of the second positioning data and the 9 second region data, the apparatus comprising: 10 a) score-attached divided region determining means for determining a score-11 attached region to be divided of the first input data as a region to be renewed, 12 referring to the second input data; 13 b) image-dividing means for dividing the first document-image data into 14 plural portions according to the region to be divided; 15 c) structured image data renewal means for renewing the divided structured 16 image data of the first input data; and 17 d) score-attached structured image data composition means for combining
 - 17. A computer program product for a structured image data processing that processes data including (i) structured image data composed of document-image data and corresponding positioning data, and (ii) region data indicating an inner

the renewed first structured image data with the second structured image data,

using the first and the second score data.

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4	structure of the document-image data, the program product comprising:
5 6	a) a program code for determining a region to be divided of the document- image data according to predetermined dividing information;
7 8	b) a program code for dividing the document-image data into plural portions according to the region to be divided;
9 10	c) a program code for processing individually the portions of the document-image data; and
11 12 13	d) a program code for renewing the structured image data by replacing the positioning data and the document-image data before processing with positioning data and document-image data after processing.
1 2 3 4 5	18. The computer program product for the structured image data processing of claim 17, wherein the dividing information includes data that affect a difference between the document-image data after a color-reducing process and the document-image data before the color-reducing process so that the difference is smaller than a predetermined value.
1 2 3	19. The computer program product for the structured image data processing of claim 17, wherein the dividing information includes score data added to at least one of the positioning data and the region data.
1 2 3 4 5	20. The computer program product for the structured image data processing of claim 17, wherein the dividing information includes (i) score data, (ii) a transmit capacity of a transmitting path for transmitting the structured image data, and (iii) an user's request, which are added to at least one of the positioning data and the region data.
1 2 3 4 5	21. A computer program product for a structured image data processing that processes data including (i) structured image data composed of document-image data and corresponding positioning data, (ii) region data indicating an inner structure of the document-image data, and (iii) replaced media dividing information added to the region data, the program product comprising:

a) a program code for determining a region to be divided of the document-

b) a program code for dividing the document-image data into plural portions

image data according to the replaced media dividing information;

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- 9 according to the region to be divided;
- 10 c) a program code for replacing the divided document-image data with the 11 replaced media dividing information added to the region data corresponding to the 12 divided document image; and
- d) a program code for renewing the structured image data by replacing the positioning data, the document-image data, and the replaced media dividing information.
 - 22. The computer program product for the structured image data processing of claim 21, wherein the replaced media dividing information is formed by text data added to a region.
 - 23. A computer program product for a structured image data processing that processes data including first input data composed of (i) first structured image data containing first document-image data and corresponding positioning data, and (ii) first region data indicating a structure of the first document-image data by regions; and second input data composed of (i) second structured image data containing second document-image data and corresponding positioning data, and (ii) second region data indicating a structure of the second document-image data by regions, the program product comprising:
- a) a program code for determining a region to be divided of the first input data as a region to be renewed, referring to the second input data;
- b) a program code for dividing the first document-image data into plural portions according to the region to be divided;
- 13 c) a program code for renewing the divided structured image data of the first 14 input data; and
- d) a program code for combining the renewed first structured image data with the second structured image data.
- 24. A computer program product for a structured image data processing that processes data including first input data composed of (i) first structured image data containing first document-image data and first positioning data, (ii) first region data indicating a data structure of the first document-image data by regions, and (iii) first score data added to at least one of the first positioning data and the first

6	region data; and second input data composed of (i) second structured image data
7	containing second document-image data and second positioning data, (ii) second
8	region data indicating a data structure of the second document-image data by
9	regions, and (iii) second score data added to at least one of the second positioning
10	data and the second region data, the program product comprising:
11	a) a program code for determining a region to be divided of the first input
12	data as a region to be renewed, referring to the second input data;
13	b) a program code for dividing the first document-image data into plural
14	portions according to the region to be divided;
15	c) a program code for renewing the divided structured image data of the first
16	input data; and
17	d) a program code for combining the renewed first structured image data
18	with the second structured image data, using the first and the second score data.